

**Notice of Allowability**

Application No.

10/613,479

Examiner

Eric A. Gates

Applicant(s)

TO, CHUN YUEN

Art Unit

3722

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's after final amendment filed 31 December 2007.
2. ☒ The allowed claim(s) is/are 1, 10-13, 23 and 24.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Monica S. Carter*  
**MONICA CARTER**  
**SUPERVISORY PATENT EXAMINER**

### **DETAILED ACTION**

1. This office action is in response to Applicant's after final amendment filed on 31 December 2007.
2. An extension of time under 37 CFR 1.136(a) is required to place this application in condition for allowance. In the after final amendment filed 31 December 2007, applicant authorized the Director to charge Deposit Account No. 5-0427 the payment of any insufficiency of fee. A one-month extension of time was paid on 3 December 2007; however, an extension of time for 2 months is required for this application to be in condition for allowance. Therefore, an additional charge of \$340 is required for this extension and will be charged to Deposit Account No. 5-0427.

### ***Allowable Subject Matter***

3. Claims 1, 10-13, 23, and 24 are allowed. Claim 1 is the independent claim.
4. The following is an examiner's statement of reasons for allowance:

The closest prior art of record is U.S. Patent 4,690,580 to Kissel, which was applied to the claims in the office action mailed 9 August 2007. Suffice it to say, the patent to Kissel at least does not disclose "wherein a maximum diameter of the internal conical surface is smaller than that of said cylindrical rod forming the respective other half ring element, a cone angle of said internal conical surface is smaller than that of the annular external conical surface of the centrally protruding outwards nesting portion, such that when the half ring elements are in the closed condition, a connecting portion

between the fourth cylindrical outer surface of the concave nesting portion and the internal conical surface thereof engages with the external conical surface of the convex nesting portion in a single line contact such that the end portion of the convex nesting portion extending past the line contact does not engage with the concave nesting portion and thereby causes the convex nesting portion to nest centrally in the concave nesting portion" as claimed in independent claim 1, and as such does not anticipate the instant invention as disclosed in independent claim 1.

Furthermore, there is no combinable teaching in the prior art of record that would reasonably motivate one having ordinary skill in the art to so modify the teachings of Kissel, and thus, for at least the foregoing reasoning, the prior art of record does not render obvious the present invention as set forth in independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric A. Gates whose telephone number is (571) 272-5498. The examiner can normally be reached on Mon-Thurs 8:45 - 6:15.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Monica Carter can be reached on (571) 272-4475. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



EAG

15 January 2008

  
MONICA CARTER  
SUPERVISORY PATENT EXAMINER